

Title (en)  
DRAIN HOSE ASSEMBLY AND REFRIGERATOR INCLUDING THE SAME

Title (de)  
ABFLUSSSCHLAUCHANORDNUNG UND KÜHLSCHRANK DAMIT

Title (fr)  
ENSEMBLE TUYAU FLEXIBLE D'ÉVACUATION ET RÉFRIGÉRATEUR DOTÉ DUDIT ENSEMBLE

Publication  
**EP 3850284 A4 20211027 (EN)**

Application  
**EP 19898223 A 20191218**

Priority  
• KR 20180164533 A 20181218  
• KR 2019017988 W 20191218

Abstract (en)  
[origin: US2020191466A1] A refrigerator includes: an evaporator housing provided behind a storage and including an evaporator for cooling the storage; a machine room disposed below the storage and provided with a discharge plug connected to the evaporator housing; a defrost tray installed in a lower portion of the machine room to collect defrost water discharged through the discharge plug; and a drain hose assembly connecting the discharge plug and the defrost water tray to allow the defrost water to flow toward the defrost water tray. The drain hose assembly includes a drain cap connected to the discharge plug and limiting introduction of external air into the evaporator housing and a drain hose having one end connected to the drain cap and another end connected to the defrost water tray, and a length of the drain hose assembly is adjustable by joining between the drain cap and the drain hose.

IPC 8 full level  
**F25D 21/14** (2006.01); **F16L 27/12** (2006.01); **F16L 55/00** (2006.01)

CPC (source: EP KR US)  
**F16L 27/1273** (2019.08 - EP KR); **F16L 55/00** (2013.01 - KR); **F25D 17/047** (2013.01 - EP); **F25D 21/14** (2013.01 - EP KR US); **F25D 2321/1441** (2013.01 - US); **F25D 2321/146** (2013.01 - EP KR US)

Citation (search report)  
• [A] US 2006277934 A1 20061214 - CHO BYOUNG-JAE [KR]  
• [A] RU 2434189 C2 20111120 - BSH BOSCH SIEMENS HAUSGERAETE [DE]  
• [A] DE 102009004231 A1 20090730 - LIEBHERR HAUSGERAETE LIENZ [AT]  
• [A] CN 102331139 A 20120125 - HEFEI MIDEA & ROYALSTAR FRIDGE, et al  
• [A] KR 20020029511 A 20020419 - MANDO CLIMATE CONTROL CORP [KR]  
• See also references of WO 2020130620A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**US 11397042 B2 20220726**; **US 2020191466 A1 20200618**; CN 113195989 A 20210730; CN 113195989 B 20230331; EP 3850284 A1 20210721; EP 3850284 A4 20211027; EP 3850284 B1 20240612; KR 20200075636 A 20200626; WO 2020130620 A1 20200625

DOCDB simple family (application)  
**US 201916717169 A 20191217**; CN 201980083859 A 20191218; EP 19898223 A 20191218; KR 20180164533 A 20181218; KR 2019017988 W 20191218